

**AMENDMENTS TO THE CLAIMS:**

Amend the claims as follows:

Claims 1-101. (Canceled)

102. (new) A crystal of P450 3A4 protein having an orthorhomobic space group I222, and unit cell dimensions  $a=78 \text{ \AA}$ ,  $b=100 \text{ \AA}$ ,  $c=132 \text{ \AA}$ ,  $\alpha=\beta=\gamma=90^\circ$ , with a unit cell variability of 5% in all dimensions, wherein said 3A4 protein comprises the core of residues 17 to 476 of SEQ ID NO:2.

103. (new) The crystal of claim 102 wherein said protein comprises the core of residues 17 to 481 of SEQ ID NO:2.

104. (new) The crystal of claim 102 wherein said 3A4 protein comprises a core of residues 3 to 476 of SEQ ID NO:2.

105. (new) The crystal of claim 102 wherein said 3A4 protein comprises a core of residues 3 to 481 of SEQ ID NO:2.

106. (new) A crystal of P450 3A4 protein having an orthorhomobic space group I222, and unit cell dimensions  $a=78 \text{ \AA}$ ,  $b=100 \text{ \AA}$ ,  $c=132 \text{ \AA}$ ,  $\alpha=\beta=\gamma=90^\circ$ , with a unit cell variability of 5% in all dimensions, wherein said 3A4 protein comprises the core of residues 17 to 476 of SEQ ID NO:2, wherein said core further comprises an N -terminal

region of smaller than 20 amino acids in size and said C-terminal region of no larger than 10 amino acids in size.

107. (new) The crystal of claim 106 wherein said C-terminal region comprises a polyhistidine tag.

108. (new) The crystal of claim 107 wherein said polyhistidine tag is a 4-His tag.

109. (new) The crystal of claim 106 wherein said N-terminal region is a wild-type 3A4 sequence truncated within said region.

110. (new) A crystal of P450 3A4 protein having an orthorhombic space group I222, and unit cell dimensions  $a=78 \text{ \AA}$ ,  $b=100 \text{ \AA}$ ,  $c=132 \text{ \AA}$ ,  $\alpha=\beta=\gamma=90^\circ$ , with a unit cell variability of 5% in all dimensions, wherein said 3A4 protein comprises the core of residues 17 to 476 of SEQ ID NO:2, wherein said core further comprises a C-terminal region of no larger than 10 amino acids in size and a truncated N-terminal region wherein said truncation comprises a deletion within the P450 3A4 trans-membrane domain.

111. (new) The crystal of claim 110 wherein the deletion is of the transmembrane domain.

112. (new) The crystal of claim 110 wherein said deletion is of wild-type residues 3-24.

113. (new) The crystal of claim 110 wherein said N-terminal region is SEQ ID NO:3.

114. (new) A crystal of P450 3A4 protein having an orthorhomobic space group I222, and unit cell dimensions  $a=78 \text{ \AA}$ ,  $b=100 \text{ \AA}$ ,  $c=132 \text{ \AA}$ ,  $\alpha=\beta=\gamma=90^\circ$ , with a unit cell variability of 5% in all dimensions, wherein said 3A4 protein comprises the core of residues 3 to 476 of SEQ ID NO:2, wherein said core further comprises a N -terminal region smaller than 20 amino acids in size and said C-terminal region is no larger than 10 amino acids in size.

115. (new) The crystal of claim 114 wherein said C-terminal region comprises a polyhistidine tag.

116. (new) The crystal of claim 115 wherein said polyhistidine tag is a 4-His tag.

117. (new) A crystal of a P450 3A4 of SEQ ID NO:2 having an orthorhomobic space group I222, and unit cell dimensions  $a=78 \text{ \AA}$ ,  $b=100 \text{ \AA}$ ,  $c=132 \text{ \AA}$ ,  $\alpha=\beta=\gamma=90^\circ$ , with a unit cell variability of 5% in all dimensions.

118. (new) A crystal of P450 3A4 having an orthorhomobic space group I222, and unit cell dimensions  $a=78 \text{ \AA}$ ,  $b=100 \text{ \AA}$ ,  $c=132 \text{ \AA}$ ,  $\alpha=\beta=\gamma=90^\circ$ , with a unit cell variability of 5% in all dimensions, wherein said P450 3A4 is of SEQ ID NO:2 or comprises from 1 or 2 amino acid substitutions or deletions thereof.

119. (new) The crystal of claim 118 wherein said substitutions provide a naturally occurring allele of P450 3A4.